

ABSTRACT OF THE DISCLOSURE

There has been no device for measuring changes in Hb concentrations associated with activities of the cerebral function of an infant or subject prone to movement during measurement. Removing and reducing any influences of body movement is needed. In the present invention, light is irradiated on the subject's head, and changes in Hb concentrations associated with activities of the cerebral function are measured from scattered light which has passed through the head. From this blood circulation movement, a parameter is inputted arbitrarily to judge the body movement component, and feed-back is applied to a stimulus device for giving a stimulus to the subject.